

NANOSCALE JUNCTION ARRAYS AND METHODS FOR MAKING SAME

ABSTRACT

A nanoscale junction array includes an elongated nanowire and a plurality of elongated nanobelts. Each nanobelt has a proximal end and an opposite distal end. The proximal end of each nanobelt is attached to a different location on the nanowire. Each nanobelt extends radially away from the nanowire. A type of nanoscale junction array, a nanopropeller, includes an elongated nanowire and a plurality of elongated nanoblades. The nanoscale junction array is formed from Zinc Oxide using a metal vaporization process.